

## PATENT COOPERATION TREATY

PCT

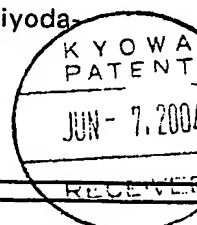
NOTIFICATION CONCERNING  
SUBMISSION OR TRANSMITTAL  
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

To:

YOSHITAKE, Kenji  
Kyowa Patent & Law Office  
Room 323, Fuji Bldg.  
2-3, Marunouchi 3-chome, Chiyoda-  
ku, Tokyo  
1000005  
Japan



|  |  |
|--|--|
| Date of mailing (day/month/year)<br>28 May 2004 (28.05.2004)         | <b>IMPORTANT NOTIFICATION</b>  |
| Applicant's or agent's file reference<br>146666-113                  |  |
| International application No.<br>PCT/JP2004/004461                   | International filing date (day/month/year)<br>29 March 2004 (29.03.2004) |
| International publication date (day/month/year)<br>Not yet published | Priority date (day/month/year)<br>31 March 2003 (31.03.2003)             |
| Applicant<br>TOSHIBA MATSUSHITA DISPLAY TECHNOLOGY CO., LTD. et al   |  |

- By means of this Form, which replaces any previously issued notification concerning submission or transmittal of priority documents, the applicant is hereby notified of the date of receipt by the International Bureau of the priority document(s) relating to all earlier application(s) whose priority is claimed. Unless otherwise indicated by the letters "NR", in the right-hand column or by an asterisk appearing next to a date of receipt, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- (If applicable) The letters "NR" appearing in the right-hand column denote a **priority document which, on the date of mailing of this Form, had not yet been received by the International Bureau** under Rule 17.1(a) or (b). Where, under Rule 17.1(a), the priority document must be submitted by the applicant to the receiving Office or the International Bureau, but the applicant fails to submit the priority document within the applicable time limit under that Rule, **the attention of the applicant is directed** to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- (If applicable) An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a **priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b)** (the priority document was received after the time limit prescribed in Rule 17.1(a) or the request to prepare and transmit the priority document was submitted to the receiving Office after the applicable time limit under Rule 17.1(b)). Even though the priority document was not furnished in compliance with Rule 17.1(a) or (b), the International Bureau will nevertheless transmit a copy of the document to the designated Offices, for their consideration. In case such a copy is not accepted by the designated Office as priority document, Rule 17.1(c) provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

| <u>Priority date</u>      | <u>Priority application No.</u> | <u>Country or regional Office<br/>or PCT receiving Office</u> | <u>Date of receipt<br/>of priority document</u> |
|---------------------------|---------------------------------|---|---|
| 31 Marc 2003 (31.03.2003) | 2003-096479                     | JP  | 21 May 2004 (21.05.2004)                        |
| 08 Janu 2004 (08.01.2004) | 2004-003066                     | JP  | 21 May 2004 (21.05.2004)                        |

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No. (41-22) 338.70.10

Authorized officer

David GEVAUX (Fax 338 7010)

Telephone No. (41-22) 338 8778

From the INTERNATIONAL BUREAU

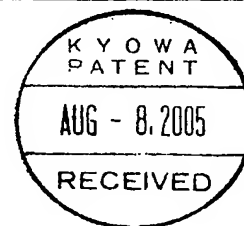
**PCT**

SECOND AND SUPPLEMENTARY NOTICE  
INFORMING THE APPLICANT OF THE  
COMMUNICATION OF THE INTERNATIONAL  
APPLICATION (TO DESIGNATED OFFICES  
WHICH APPLY THE 30 MONTH TIME  
LIMIT UNDER ARTICLE 22(1))

(PCT Rule 47.1(c))

To:

YOSHITAKE, Kenji  
Kyowa Patent & Law Office  
Room 323, Fuji Bldg.  
2-3, Marunouchi 3-chome  
Chiyoda-ku, Tokyo 1000005  
JAPON



|  |  |  |  |
|--|--|--|--|
| Date of mailing (day/month/year)<br>04 August 2005 (04.08.2005)    |  | <b>IMPORTANT NOTICE</b>                                      |  |
| Applicant's or agent's file reference<br>146666-113                |  |  |  |
| International application No.<br>PCT/JP2004/004461                 | International filing date (day/month/year)<br>29 March 2004 (29.03.2004) | Priority date (day/month/year)<br>31 March 2003 (31.03.2003) |  |
| Applicant<br>TOSHIBA MATSUSHITA DISPLAY TECHNOLOGY CO., LTD. et al |  |  |  |

1. **ATTENTION:** For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), **does not apply**, please see Form PCT/IB/308(First Notice) issued previously.

2. Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, **does apply**, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below:  
14 October 2004 (14.10.2004)

AU, AZ, BY, CN, CO, DZ, EP, HU, KG, KP, KR, MD, MK, MZ, NA, RU, SY, TM, US

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

3. The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, **does apply**, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1:

AE, AG, AL, AM, AP, AT, BA, BB, BG, BR, BW, BZ, CA, CR, CU, CZ, DE, DK, DM, EA, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, KE, KZ, LC, LK, LR, LS, LT, LV, MA, MG, MN, MW, MX, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, SC, SD, SG, SK, SL, TJ, TN, TR, TT, UA, UZ, VC, VN, YU, ZA, ZW

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

#### 4. TIME LIMITS for entry into the national phase

For the designated or elected Office(s) listed above, the applicable time limit for entering the national phase will, **subject to what is said in the following paragraph**, be **30 MONTHS** from the priority date.

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain of the designated or elected Office(s) listed above. For regular updates on the applicable time limits (30 or 31 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

It is the applicant's sole responsibility to monitor all these time limits.

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

Facsimile No.+41 22 740 14 35

Facsimile No.+41 22 338 70 10

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/004461

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.<sup>7</sup> G06F3/033, G09G3/36, 3/34, 3/20, G06T1/00, G02F1/133,  
1/1368

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.<sup>7</sup> G06F3/03-3/037, G09G3/36, 3/34, 3/20, G06T1/00, G02F1/133,  
1/1368

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

|                           |           |                            |           |
|---------------------------|-----------|----------------------------|-----------|
| Jitsuyo Shinan Koho       | 1922-1996 | Toroku Jitsuyo Shinan Koho | 1994-2004 |
| Kokai Jitsuyo Shinan Koho | 1971-2004 | Jitsuyo Shinan Toroku Koho | 1996-2004 |

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category*   | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.           |
|-------------|--|---------------------------------|
| X<br>Y<br>A | JP 10-198515 A (Nippon Avionics Co., Ltd.),<br>31 July, 1998 (31.07.98),<br>Par. Nos. [0004], [0007] to [0009]; Fig. 1<br>(Family: none)   | 30<br>1-7, 12-21<br>8-11, 22-29 |
| Y           | JP 1-150192 A (NEC Corp.),<br>13 June, 1989 (13.06.89),<br>Page 2, upper right column, lines 3 to 11;<br>page 2, lower left column, line 16 to lower<br>right column, line 2; Fig. 1<br>(Family: none) | 1-7, 12-16                      |
| Y           | JP 2000-347805 A (Canon Inc.),<br>15 December, 2000 (15.12.00),<br>Claims; Par. No. [0059]; Fig. 1<br>(Family: none)   | 2-7                             |

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

29 June, 2004 (29.06.04)

Date of mailing of the international search report

27 July, 2004 (27.07.04)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/004461

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| Y         | JP 8-272529 A (Toshiba Corp.),<br>18 October, 1996 (18.10.96),<br>Par. Nos. [0011], [0015] to [0016]; Fig. 3<br>(Family: none) | 16                    |
| Y         | JP 8-106351 A (Fuji Facom Corp.),<br>23 April, 1996 (23.04.96),<br>Par. No. [0011]; Fig. 3<br>(Family: none)                   | 17-21                 |
| Y         | JP 2001-51782 A (Aiwa Co., Ltd.),<br>23 February, 2001 (23.02.01),<br>Par. No. [0019]; Fig. 1<br>(Family: none)                | 17-21                 |
| Y         | JP 11-57216 A (Sony Corp.),<br>02 March, 1999 (02.03.99),<br>Par. No. [0030]; Figs. 1, 8<br>(Family: none)                     | 19                    |
| Y         | JP 2002-278698 A (Hitachi, Ltd.),<br>27 September, 2002 (27.09.02),<br>Par. No. [0016]; Fig. 1<br>(Family: none)               | 20                    |
| A         | JP 5-257606 A (Hitachi, Ltd.),<br>08 October, 1993 (08.10.93),<br>Par. Nos. [0013] to [0016]; Figs. 2, 3<br>(Family: none)     | 8-11, 15              |
| A         | JP 60-251425 A (Fujitsu Ltd.),<br>12 December, 1985 (12.12.85),<br>Page 2, upper left column, lines 8 to 13<br>(Family: none)  | 17-21, 25             |
| A         | JP 8-115167 A (Toshiba Micro-Electronics Corp.),<br>07 May, 1996 (07.05.96),<br>Claims<br>& US 5835076 A                       | 22-29                 |
| A         | JP 4-242724 A (Semiconductor Energy Laboratory<br>Co., Ltd.),<br>31 August, 1992 (31.08.92),<br>Claims<br>& US 5453858 A       | 27                    |

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/004461

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Claims 1-16 relates to a display device for detecting a portion having a high correlation with the display image as a manually specified position.

Claims 17-21 relate to an information display terminal for detecting the pressing position of a mobile strap made of a soft material.

Claims 22-29 relate to a display device for outputting the image pickup data of the image pickup section from the pixel by utilizing a signal line to which no pixel data is supplied.

Claim 30 relates to a display device for detecting a manually specified position according to the brightness around.

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.